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Patent
Attorney's Docket No. 018656-045

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
)	
Hiroyuki OKADA)	Group Art Unit: 2612
)	
Application No.: 09/205,094)	Examiner: John M. Villecco
)	
Filed: December 3, 1998)	Confirmation No.: 8215
)	
For: DIGITAL CAMERA)	
)	
)	
)	

SUBMISSION OF FORMAL DRAWINGS

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Sir:

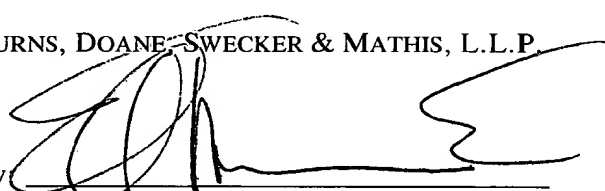
Enclosed please find twelve sheet(s) of formal drawings for review by the Patent and Trademark Office. Should the enclosed drawing(s) require changes, it is respectfully requested that the Patent and Trademark Office notify the undersigned of same.

Respectfully submitted,

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Date: November 13, 2003

By



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The block diagram illustrates the architecture of a video camera system (1). At the top, a sequence of five rectangular blocks is connected by horizontal arrows: 'IMAGE PICKUP UNIT' (3), 'A/D' (4), 'SIGNAL PROCESSOR' (5), 'FIRST MEMORY' (6), and 'SWITCHES' (7). Below this sequence is a large horizontal rectangle labeled 'CPU' (8). Vertical arrows point from the CPU to each of the five blocks above it. To the left of the CPU, a lens-like shape is labeled '2'. Below the CPU, there are three more components. On the left, a block labeled 'LCD' (12) is connected to a 'DISPLAY MEMORY' block (11) by a horizontal arrow pointing left. A vertical arrow points from the CPU down to the 'DISPLAY MEMORY' block. To the right of the CPU, a 'SECOND MEMORY' block (10) is connected to the CPU by a vertical arrow pointing down. Below the 'SECOND MEMORY' block is a 'DATA INPUT UNIT' (21), connected by a vertical arrow pointing down. At the bottom center, a monitor-like shape is labeled '20', which is connected to the 'DATA INPUT UNIT' (21) by a horizontal line. A curved arrow labeled '1' points towards the entire system.

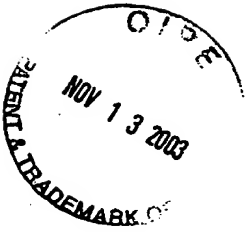


FIG. 3

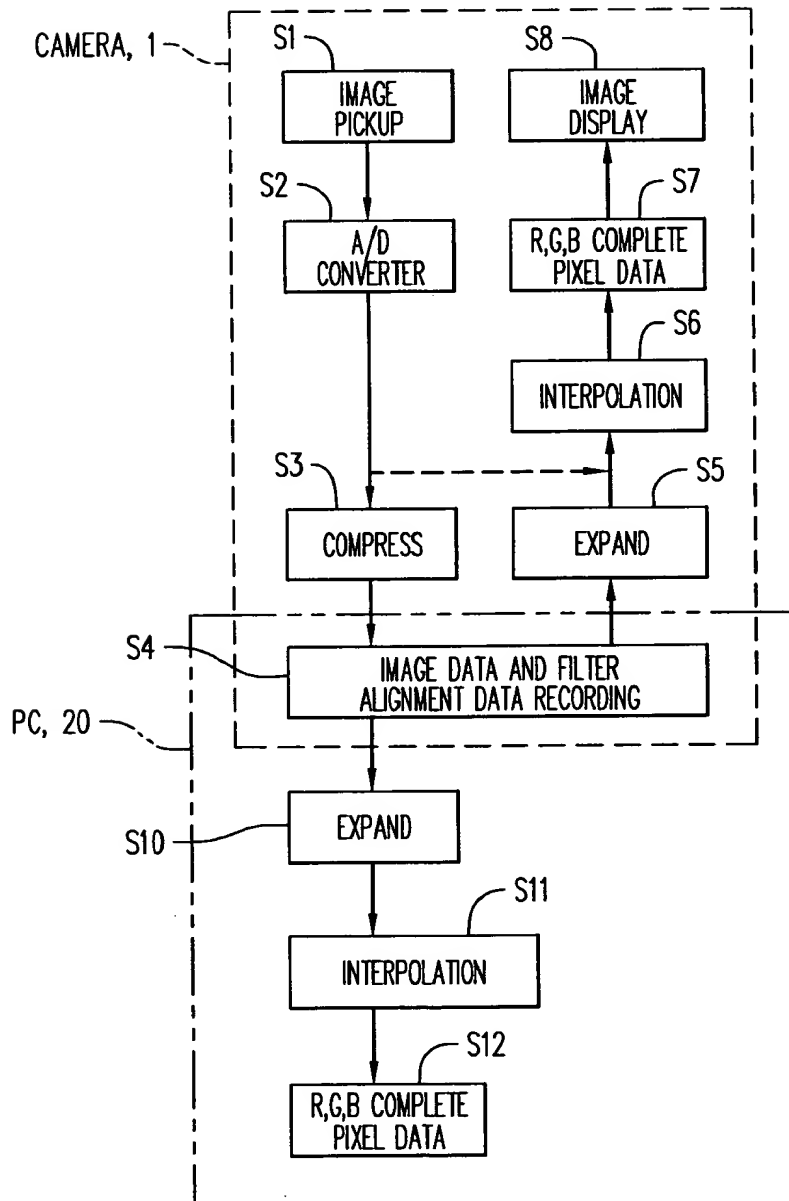




FIG. 4

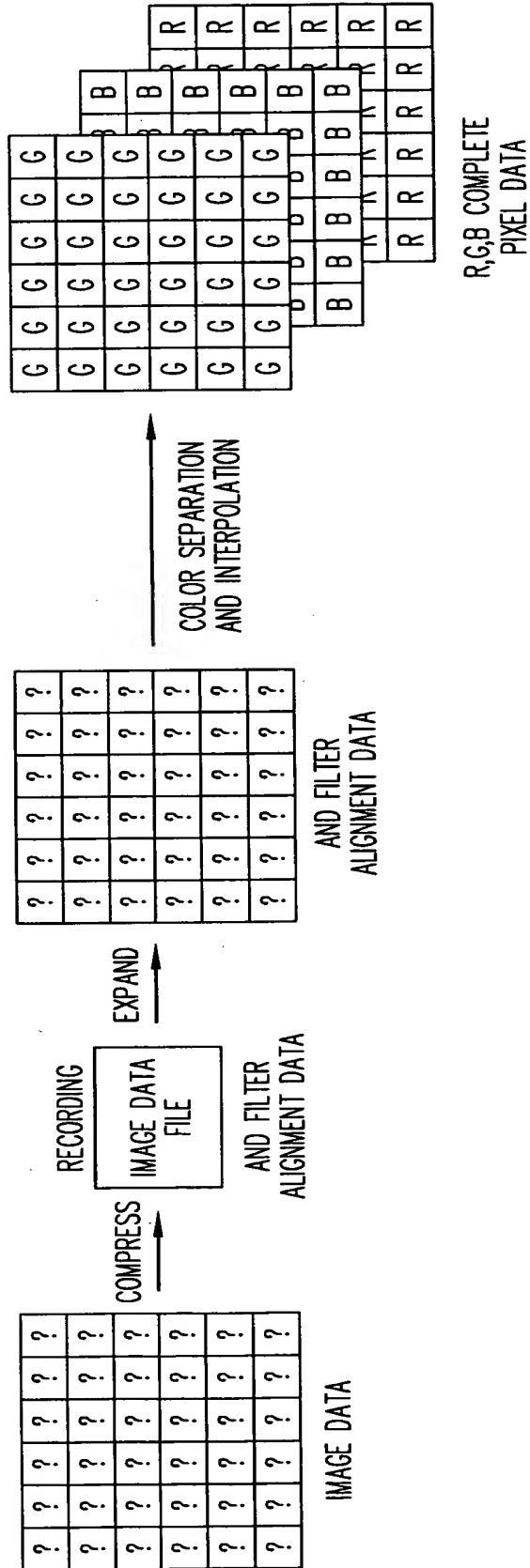




FIG. 5a

R	G	R	G	R	G
G	B	G	B	G	B
R	G	R	G	R	G
G	B	G	B	G	B
R	G	R	G	R	G
G	B	G	B	G	B

TYPE - 1

FIG. 5b

B	G	B	G	B	G
G	R	G	R	G	R
B	G	B	G	B	G
G	R	G	R	G	R
B	G	B	G	B	G
G	R	G	R	G	R

TYPE - 2

FIG. 5c

G	R	G	R	G	R
B	G	B	G	B	G
G	R	G	R	G	R
B	G	B	G	B	G
G	R	G	R	G	R
B	G	B	G	B	G

TYPE - 3

FIG. 5d

G	B	G	B	G	B
R	G	R	G	R	G
G	B	G	B	G	B
R	G	R	G	R	G
G	B	G	B	G	B
R	G	R	G	R	G

TYPE - 4



FIG. 6a

R	G	B	R	G
B	R	G	B	R
G	B	R	G	B
R	G	B	R	G
B	R	G	B	R



R	G	B	R	G
B	R	G	B	R
G	B	R	G	B
R	G	B	R	G
B	R	G	B	R

FILTER ALIGNMENT DATA

X = 3
 Y = 3
 0, 1, 2, 2, 0, 1, 1, 2, 0

FIG. 6b

R	G	B	R	G
R	G	B	R	G
R	G	B	R	G
R	G	B	R	G
R	G	B	R	G



R	G	B	R	G
R	G	B	R	G
R	G	B	R	G
R	G	B	R	G
R	G	B	R	G

FILTER ALIGNMENT DATA

X = 3
 Y = 1
 0, 1, 2

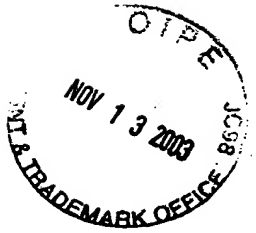
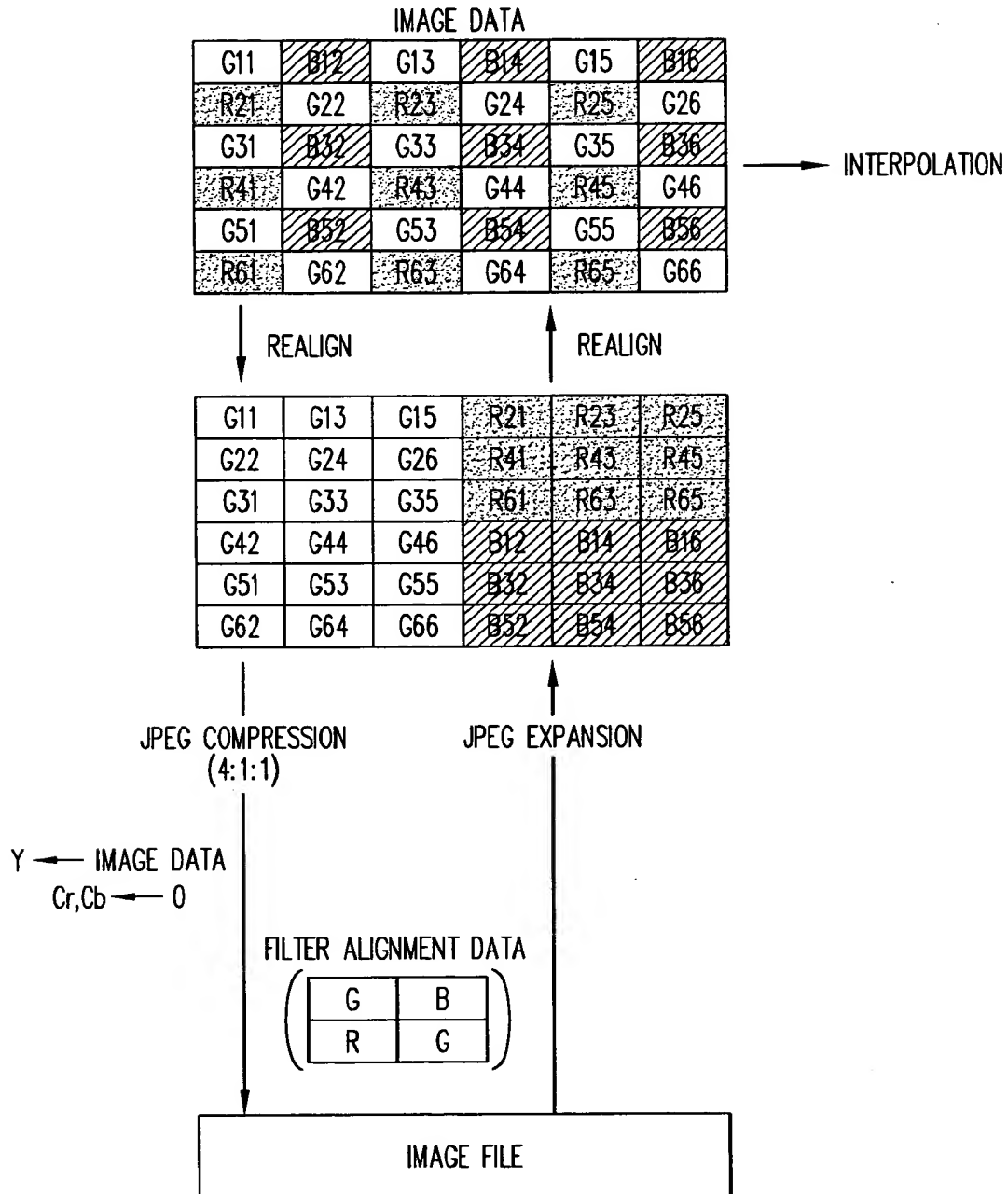


FIG. 7



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FIG. 8

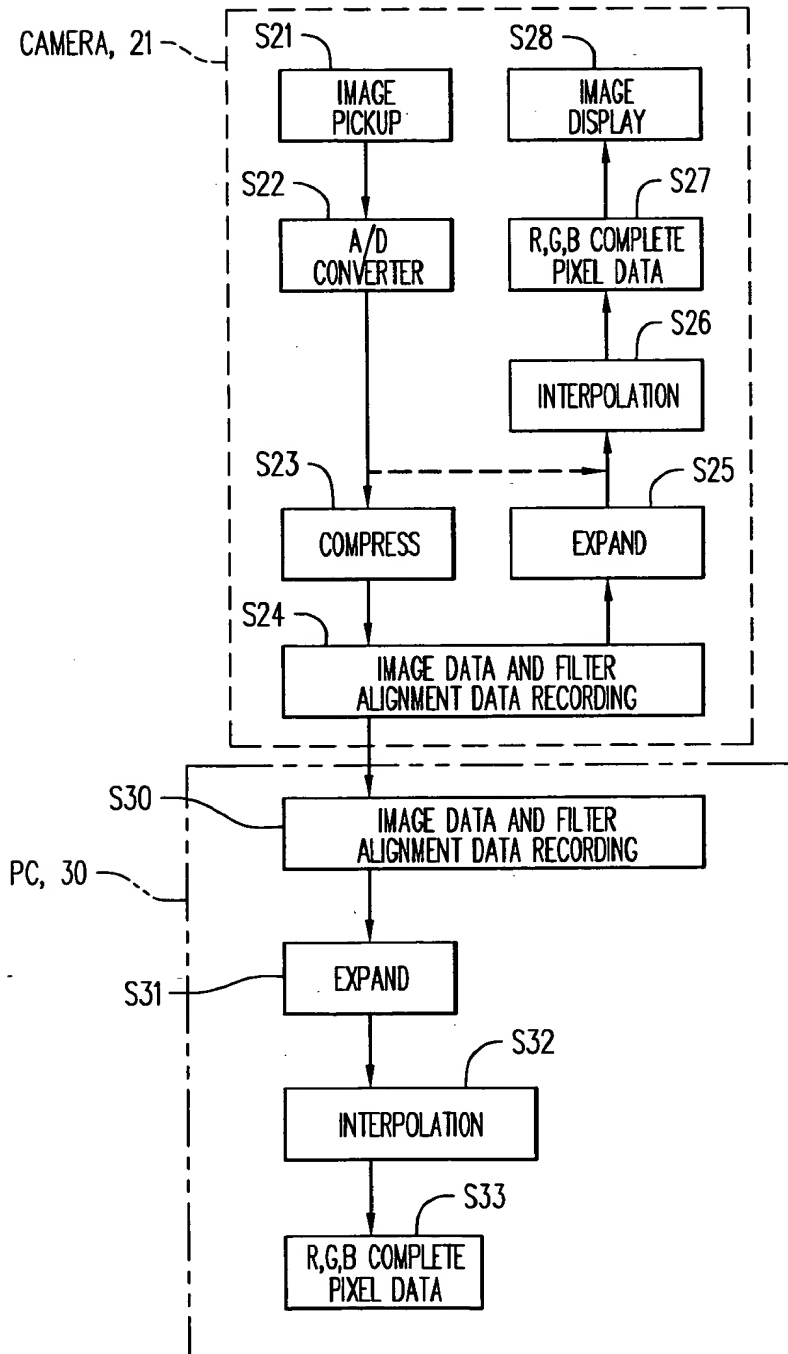




FIG. 9

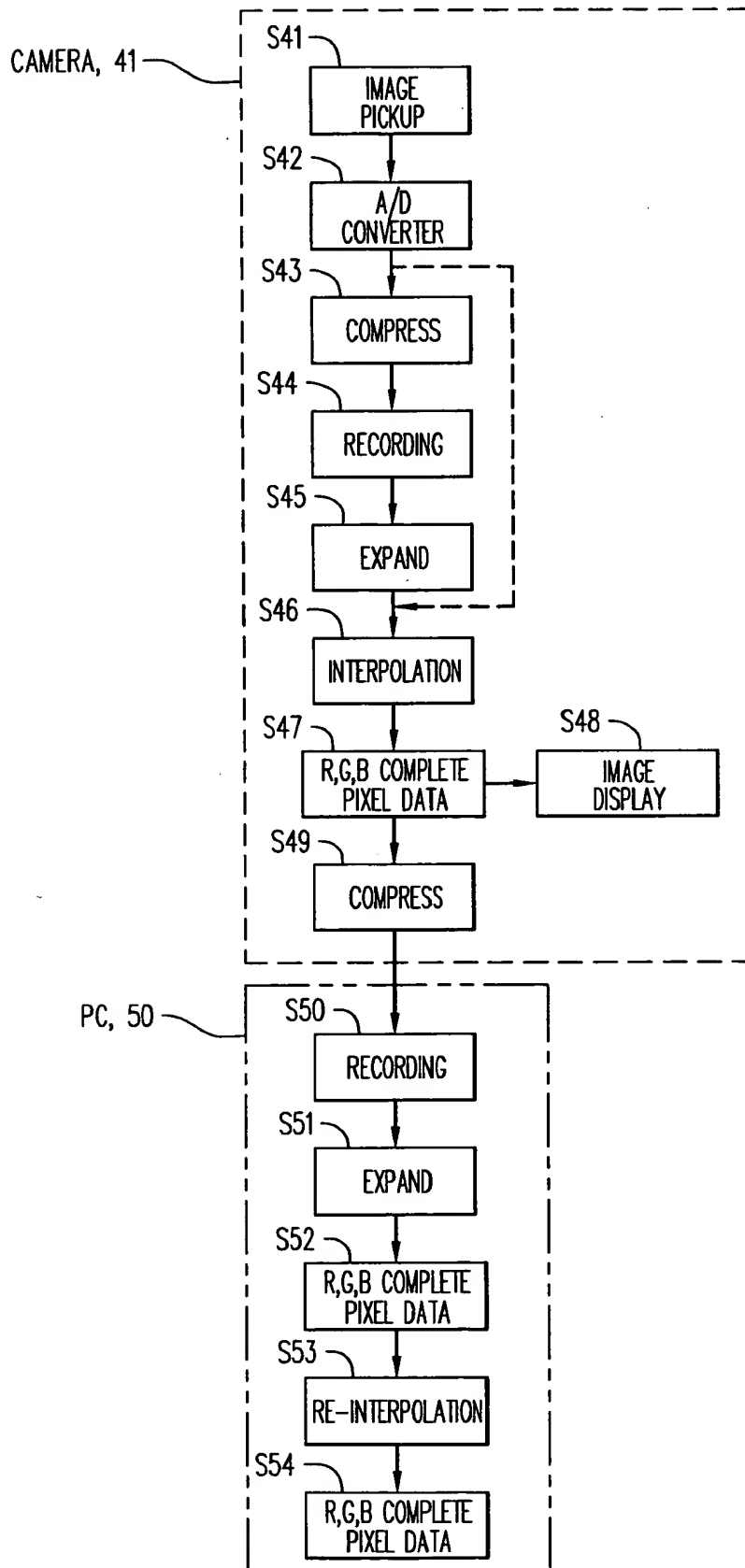




FIG. 10

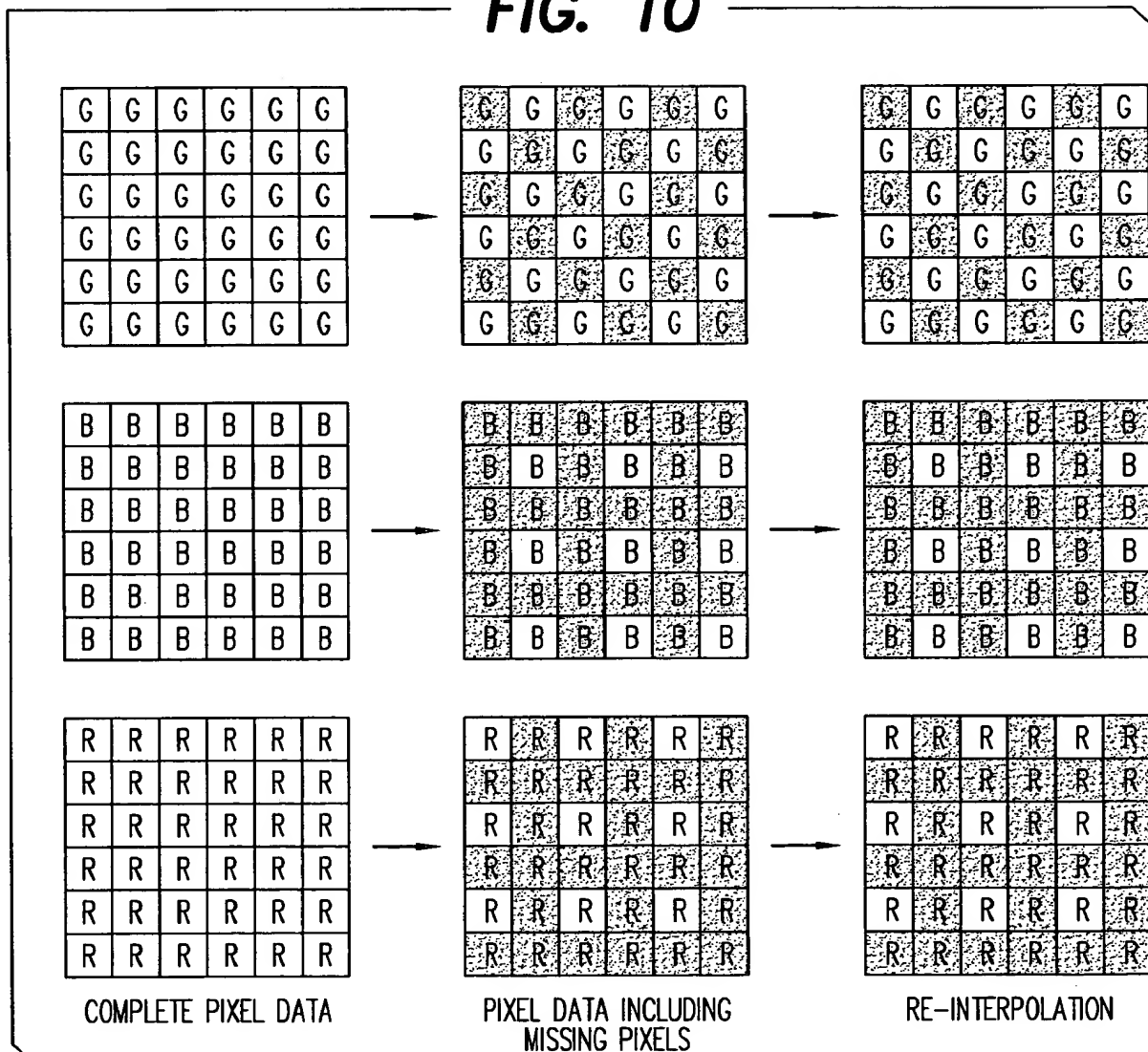




FIG. 11

PRIOR ART

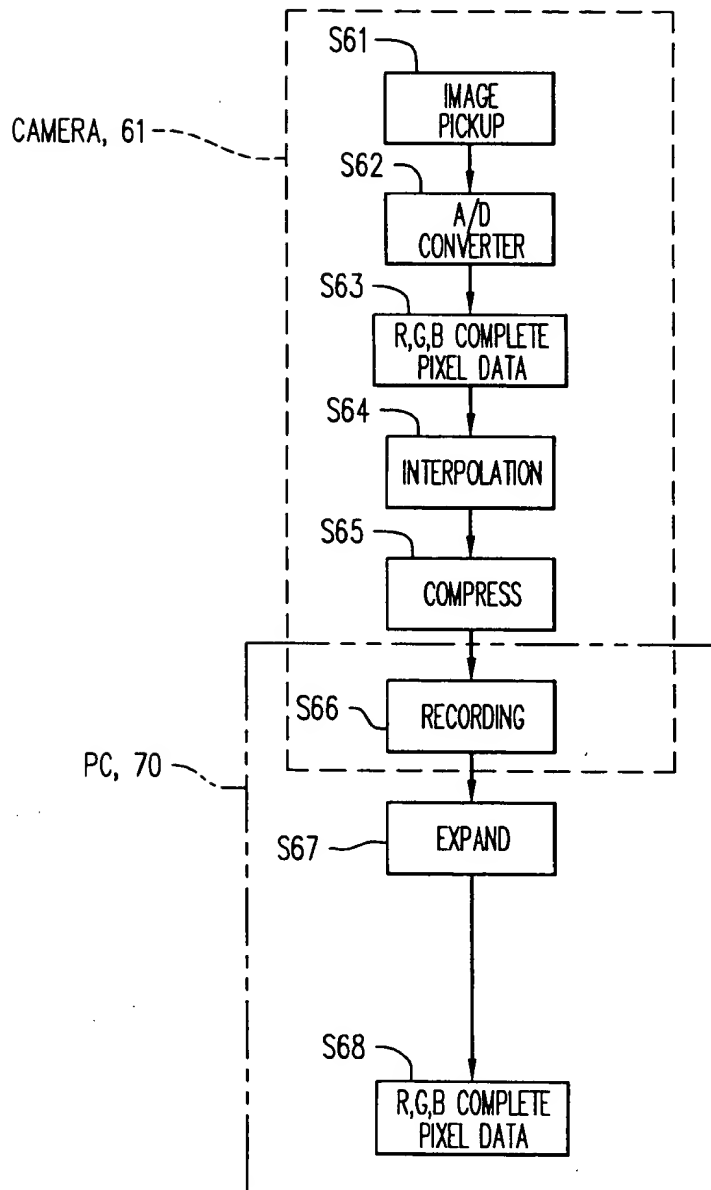




FIG. 12 PRIOR ART

